



ISPT-day 2016 Program

November 15th 2016 Prodentfabriek Amersfoort

ISPT-day 2016 Program:

10.00 - 10.30 Entrance with coffee/tea

10.30 – 12.00 Plenary Opening – ‘Future of Sustainable Industry’

Following an opening by Tjeerd Jongsma, director of ISPT, we offer you a quality-selection of speakers from industry, academia and government. Confirmed speakers **include Jaap Schouten, Marco Waas and Marjan Minnesma**, with other interesting speakers pending confirmation.

12.00 - 13.00 Pitch-carrousel

A broad range of subjects covered in several simultaneous short pitches.

13.00 - 14.00 Lunch

14.00 – 14.30 Plenary Program – ‘ISPT: from Inception to Today’

We offer you a trip down ISPT’s memory lane with her founders!

14.30 - 16.00 Parallel Workshops #1

16.00 – 17.30 Parallel Workshops #2

We offer several in-depth workshops this afternoon divided over two rounds. Select your two preferences when you [RSVP!](#)

For an overview of the current selection of workshops, please consult the list below.

17.30 – 18.45 Process Technology Cafe

Join the first edition of the Process Technology Cafe, an informal get-to-know session with young professionals and partners from industry, academia and government.

18.45 - 21.30 Party

A 10-year-anniversary needs to be celebrated! Join us for drinks, bites and music at the ISPT anniversary party.

Workshop overview

- **Electrification:** Electrification is the key option for a low-carbon industry in a future energy system with major components of renewable energy sources. ISPT is active on electrification from system integration and demand-side management to energy conversion and storage to direct chemicals production. We invite you to join our workshop in which we will discuss ongoing activities in the field and explore new routes to industrial electrification.

- **Industry 4.0 - Fusion of the online world and the world of industrial production:** The new buzzword for the combination of industry and the current Internet of Things (IoT) technology is Industry 4.0. Smart factories, which will be at the heart of Industry 4.0. This will take on board information and communication technology towards an evolution in the supply chain and production line that brings a

much higher level of both automation and digitization. It means machines using self-optimization, self-configuration and even artificial intelligence to complete complex tasks in order to deliver vastly superior cost efficiencies and better quality goods or services.

This workshop aims to translate Industry 4.0 to focus points in the process technology research and development through your thoughts and ideas.

- **Energy Efficient Bulk Liquid Separation – Identifying technology gaps for the future:** During 2016, the EEBSL-cluster has received a large number of subject specialists at ISPT. In several sessions the evolution of separation technologies, to match the energy resources of the world of tomorrow whilst considering a potential shift in feedstock towards bio renewables was discussed. During this workshop we will take a look at the path that emerged from this, we will place evolving and future technologies on that path and discuss the maturity of these technologies, and how to best prepare both research and industry for the upcoming challenges.

- **The future of Water Processing:** We invite you to discuss with us the future activities and plans for the ISPT Water Processing cluster. The cluster roadmap contours, recognized priorities and new projects will be presented. This workshop aims to initiate, define and work out first sketches for new project ideas for the near future with all interested partners.

- **gProms: How computer simulation can help (in product and process design):** In this workshop you will learn how advanced computer simulation software enables the design of low-cost and sustainable production lines. Process design based on the desired product quality. We will start with an introduction on the basics of gProms: a simulation platform that is used by several industries nowadays. Next, examples of projects in research and education will be presented in which computer simulation played a major role. This workshop is intended for people that use computer models or want to know if this will be helpful for their activities in future.

- **Angles for Collaboration in Heat:** The Heat cluster at ISPT invites all to join this workshop which starts the exploration of the roadmap for this cluster. The workshop sets the stage for discussions on promising technologies related to Heat, as well as the angels for collaboration are explored.

- **Social Labs:** The Dutch Energy Transition requires a new skill set. This workshop offers you the opportunity to experience what it means to undergo a transformative innovation process with a diverse group of stakeholders. To come to new and more effective prototypes in the field of products, technology, institutes and organizational forms and discover the format of the ISPT lab regional energy transition: RIET. A systems-change-lab challenges stakeholders to expand their thinking and get a feel for what the various important perspectives are. The safe innovation environment empowers participants to move past the fear for not functioning new and unknown solutions. A tantalizing ambition is at the core.

- **New Media for SME:** This workshop delves into the question how New Media can help you as a technology supplier in the process and energy industry to increase sales with practical tools and examples within the setting of an SME organization.

